REMARKS

Claims 1, 4-10, 12, and 17 are pending in this application. By this Amendment, claims 1, 4-10 and 12 have been amended, claims 2, 3, 11, and 13 canceled without prejudice, and new claim 17 added. Claims 14-16 were previously withdrawn. New claim 17 and amended claims 1, 4-10 and 12 are fully supported by the specification in its entirety.

The Office Action objected to the specification under 35 U.S.C. § 112, first paragraph, for allegedly containing terms that were not clear and concise and for other grammatical errors. The Office Action further found the title to be non-descriptive. Claims 1, 3, 4, 10, 11 and 12 were objected to because of certain grammatical informalities. Claims 1-13 were rejected under 35 U.S.C. § 112, first paragraph, for an allegedly insufficient written description. Claims 1-13 were also rejected under 35 U.S.C. § 112, second paragraph.

To traverse these objections and rejections, applicant has amended, canceled and/or added claims that are clear to one of ordinary skill in the art and for which an adequate written description has been provided. Applicant has also amended the specification to overcome the informalities noted in the Office Action. As part of the amendments, the incorrect spelling of "musaze" has been replaced with the correct spelling "*Musa*," which is a genera of banana plants.

In view of Applicant's foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of the application are respectfully solicited.

If for any reason, the Examiner feels that the application is not now in condition for allowance, the Examiner is invited to call the Applicant's undersigned attorney at the number indicated to arrange for an interview to expedite the disposition of this application.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date shown below:

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Print Name

6/26/07
Date

PHYTO-PHARMACOLOGICAL MEDICINAL ~~PRODUCT~~ COMPOSITION FOR TREATMENT OF AIDS, CANCER, AND NEUROLOGICAL DISEASES

FIELD OF THE INVENTION

The present invention relates to a phyto-pharmacological medicinal product for the treatment [at least] of Acquired Immune Deficiency Syndrome (AIDS), [of] cancer, and neurological diseases ~~of the psyche or of the nervous system,~~ and more particularly to a medicinal product or composition comprising contents and/or extracts of *Prunus armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye, or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice of grapes; *Musa* plants; and *Rubus* leaves.

BACKGROUND OF THE INVENTION

From the state of the art, a plurality of medicinal products are known for the treatment of AIDS, cancer, or neurological diseases, which on the one hand have considerable manufacturing costs and on the other hand are associated with a limited spectrum of effectiveness.

SUMMARY OF THE INVENTION

The object of the present invention is therefore to make available a medicinal product, which by the expenditure of extremely minor financial means can be easily and rapidly manufactured and has a very broad spectrum of effectiveness.

In accordance with the invention this object is solved in accordance with a type of medicinal product by means of the distinguishing part of the features given in Claim 1, which are a medicinal product or composition comprising contents and/or extracts of *Prunus armeniaca*, *Cocos nucifera*, *Humulus lupulus*; germinated barley, germinated rye,

or germinated wheat; mycetes; the liquid obtained by alcoholic fermentation of the juice of grapes; *Musa* plants; and *Rubus* leaves.

DESCRIPTION OF PREFERRED EMBODIMENTS OF INVENTION

Particularly preferred embodiments are the subject of the dependent claims.

Within the framework of the present invention a medicinal product is provided, which comprises as active ingredients a content of ingredients and/or extracts of [prunus armenica and of] *Prunus armeniaca*, [cocos nucifera and of] *Cocos nucifera*, [humulus lupulus and] *Humulus lupulus*; germinated barley [or], germinated rye, or germinated wheat; [and of] [mycete,] mycetes; [and] the liquid obtained by alcoholic fermentation of the grape juice of grapevines, [and from musaze]; *Musa* plants; and [from rubus] *Rubus* leaves.

A particular advantage of these active components comprising medicinal products in accordance with the invention is that they are available on the world market and obtained in large quantities at exceptionally favorable prices.

In accordance with the invention, the active ingredient components to be used in the medicinal product or composition as stated above can consist for example of [their] pulp, multiple fruit, juice, milk, kernels, fibers, cell filaments, myzelles, endosperm, leaves, blossoms, buds, hulls, or stalks.

[So, the] The medicinal product [in accordance with the] or composition of the present invention can for example have a content of pulp or kernels of [prunus armenica and] *Prunus armeniaca*; fibers or endosperm of [cocos nucifera and] *Cocos nucifera*; multiple fruit of [humulus lupulus and] *Humulus lupulus*; germinated barley [or], germinated oats [or], germinated rye, or germinated wheat [and]; cell filaments or

myzelles of mycetes [and]; the liquid obtained by alcoholic fermentation of [grape] the juice of grapes [from the grapevine and]; the fruits or hulls of [musaze] *Musa* plants; and [rubus] *Rubus* leaves~~, in each case as an active ingredient~~.

In a preferred embodiment, the medicinal product or composition in accordance with the present invention comprises in addition to the [above] active ingredients stated above, or extracts from the active ingredients, one or a plurality of common carrier materials, auxiliary means, and/or additives ~~and can the for example be made up in the form of a tablet or a sugar coated tablet or a suppository or drops~~ which can be processed as tablets, sugar coated tablets, suppositories, or drops.

As [already] indicated, the medicinal product can, instead of or in addition to the solid components or contents of the active [ingredient components] ingredients, comprise one or a plurality of extracts from the plant active ingredients or active plant components.

This extract can be obtained for example by solid-liquid or liquid-liquid extraction of the individual components or the entire active ingredient component mixture with the help of common extraction means, and by subsequent partial or complete evaporation of the extraction solution.

~~In use of the concerned extraction, in accordance with the invention, it is a question of whether there is for example~~ The extraction method may be a hot or cold extraction ~~as well as whether the extraction method is~~ and a continuous or discontinuous extraction. Preferably, ~~in accordance with the invention, we are dealing with~~ a continuous extraction method is used by means of Soxhlet extraction, perforation, or [a] percolation. ~~In the use of~~ If the discontinuous extraction ~~in accordance with the invention it can be a matter of~~ method is used, the method may employ shaking out, leaching out,

or digestion.

In particularly preferred embodiments of the medicinal product [in accordance with] of the present invention, the extract represents one of one fixed active ingredient content adjusted extract from one individual active ingredient, or from the entire mixture of active components. This extract can for example be obtained by means of maceration or percolation using ethanol or an ethanol-water mixture.

The extract [which is to be] used in accordance with the present invention can consist of, for example, a dry extract (extracta sicca) and/or a liquid extract (extracta fluidica) and/or a viscuos extract (extracta spissa).

The medicinal product or composition [in accordance with] of the present invention can for example be compounded in the form of a liquid to be taken in the form of drops, or an aerosol, or in the form of a solution for intravenous, intraarterial, intramuscular, subcutaneous, or intralumbar injection or infusion.

In an especially preferred embodiment, the medicinal product or composition of the present invention can have a content of ingredients and/or extracts of [prunus armenica] *Prunus armeniaca* in the range for example [of] from 10 wt% to 20 wt% [and of cocus nucifera]; *Cocos nucifera* in the range for example from 10 wt% to 20 wt% [and of humulus lupulus]; *Humulus lupulus* in the range for example from 10 wt% to 20 wt% [and of]; germinated barley in the range for example from 10 wt% to 20 wt% [and of], germinated rye in the range for example from 10 wt% to 20 wt%, or germinated wheat in the range for example from 10 wt% to 20 wt% [and from mycete for example]; mycetes in the range for example from 10 wt% to 20 wt% [and]; the liquid obtained by alcoholic fermentation of ~~grape juice of the grapevine for example~~ the juice of grapes in the range

for example from 10 wt% to 20 wt% ~~and of musazes for example~~; *Musa* plants in the range for example from 10 wt% to 20 wt%; and [of rubus] *Rubus* leaves [for example] in the range for example from 10 wt% to 20 wt%~~, in each case as the active ingredient and if necessary~~; together with the usual carrier materials, auxiliary means, and/or additive materials.

The ranges of weight percent data [given] referenced above are presented ~~above all for the reason that the active ingredient contents of the individual active material components vary case by case, at least somewhat depending on the condition of the growth substrate~~ as examples. It is to be understood that the weight percentages of the active ingredient contents may vary case by case depending somewhat on the condition of the growth substrate.

For the medicinal product [in accordance with] of the present invention, the mycetes active [ingredients "mycete"] ingredient can for example be [chosen] selected from the group [, which includes] consisting of chlorophyll-free, [eukaryontic] eukaryotic organisms, especially protoctista (fungus like protista) and/or fungi (higher fungi). [In particular] More preferably, the active ~~ingredients in accordance with the invention "mycete"~~ ingredient of mycetes can be selected from the group [as] consisting of protoctista (lower fungi) such as myxomycote, myxomycete, acrasiomycete, plasmodiophoromycote, labyrinthulomycote, oomycote, hypochytriomycote, and chytridiomycote; and [as] fungi (higher fungi) such as zygomycote, ascomycete, endomycete, ascomycete, basidiomycota, ustomycete, basidiomycete; and [includes] imperfect fungi such as [(] deutermycete [)].

[As "mycete"] The mycetes active [ingredients] ingredient can also include

components [or] and/or extracts of dermatophyte, yeast, [or] and/or mildew ~~can also be considered in accordance with the invention~~.

[As active ingredients "the] The liquid obtained by alcoholic fermentation of [grape juice from grapevines"] grapes active ingredient can, for example, be [considered as] wine, preferably white wine or red wine [, especially] and in particular wine from the Trollinger grape or Edelvernatsch.

Investigations have shown that the medicinal product [in accordance with] of the present invention is effective in both solid and liquid form for the treatment among other things of Acquired Immune Deficiency Syndrome (AIDS) [and/or] and is also suitable for the treatment of cancer, malignant tumors, carcinomas, sarcomas ~~and/or diseases of the psyche or nervous system~~, and for the treatment of neurological diseases.

In accordance with the present invention, the components and/or extracts of [prunus armenica and of] *Prunus armeniaca*, [coco nucifera and of] *Cocos nucifera*, [humulus lupulus and] *Humulus lupulus*; germinated barley [or], germinated rye, or germinated wheat; [and of mycete] mycetes; [and] the liquid obtained by alcoholic fermentation of the [grape juice of grapevines,] juice of grapes; [and from musaze] *Musa* plants; and [from rubus] *Rubus* leaves~~, for preparation of~~; can be formulated as a medicinal product or composition [are] useful [for] in the treatment of AIDS [Acquired Immune Deficiency Syndrome (AIDS)].

Alternatively or additionally the components and/or extracts of [prunus armenica and of] *Prunus armeniaca*, [coco nucifera and of] *Cocos nucifera*, [humulus lupulus and] *Humulus lupulus*; germinated barley [or], germinated rye, or germinated wheat [and of mycete]; mycetes; [and] the liquid obtained [from] by alcoholic fermentation of the

[grape juice of grapevines,] juice of grapes; [and from musaze,] *Musa* plants; and [from rubus] *Rubus* leaves; ~~for preparation of~~ can be formulated as a medicinal product or composition [are] useful [for] in the treatment of cancer, malignant tumors, carcinomas, and sarcomas.

Alternatively or additionally the components and/or extracts of [prunus armenica and of] *Prunus armeniaca*, [coco nucifera and of] *Cocos nucifera*, [humulus lupulus and] *Humulus lupulus*; germinated barley [or], germinated rye, or germinated wheat [and of mycete]; mycetes; [and] the liquid obtained [from] by alcoholic fermentation of the [grape juice of grapevines,] juice of grapes; [and from musaze,] *Musa* plants; and [from rubus] *Rubus* leaves; ~~for preparation of~~ can be formulated as a medicinal product or composition [are] useful [for] in the treatment of diseases of the psyche or [of the] nervous system (e.g., neurological diseases).

It has been further shown [furthermore] that the components and/or extracts [content] of [prunus armenica and of] *Prunus armeniaca*, [coco nucifera and of] *Cocos nucifera*, [humulus lupulus and] *Humulus lupulus*; germinated barley [or], germinated rye, or germinated wheat [and of mycete]; mycetes; [and] the liquid obtained [from] by alcoholic fermentation of the [grape juice of grapevines,] juice of grapes; [and from musaze,] *Musa* plants; and [from rubus] *Rubus* leaves; ~~for preparation of~~ can be formulated as a medicinal product[,] or composition [are] useful [for] in the treatment of diabetes diseases.

In summary it [should be] is noted that the present invention, based on the use of especially cost effective active [ingredients-components] ingredients or components[,] and based on the ~~manufacturability in accordance with the invention of~~ ability to

manufacture the medicinal product or composition by [means of] simple manufacturing methods, permits for the first time a cost effective, simple, and rapid preparation of [a] medicinal [product] products having a very broad spectrum of effectiveness for the treatment of [at least] AIDS, cancer, and diseases of the psyche.